

THE TECH

Vol. XXVI. No. 79

BOSTON, MASS., FRIDAY, MAY 3, 1907

PRICE THREE CENTS

EASY MEET EXPECTED.

Comparison of Records of Maine and Tech Indicate Prospect of Victory.

Technology will certainly win the dual meet with the University of Maine at Orono tomorrow, if the reports of the spring meet at that institution are to be depended upon. In every event except the 100-yard dash and the high hurdles the Tech track men have exceeded the performances of the Maine athletes.

In the short dash the Maine team has some fast men, the best sprinter being St. Onge who did the distance in 10 2-5 seconds. This performance just equals Richards' time in the class games. In the 220-yard dash, Wyman of Maine ran 3-5 second faster than did Gram in the class games, but the latter probably can better this time. Blackburn and Gram will have to run hard in the 440-yard dash tomorrow to beat St. Onge and Wyman. The latter have fast time to their credit with a good record of victories behind them. However, Blackburn's time, 53 1-5 seconds, in the Pennsylvania relay games gives a hope that he can secure the first place.

From the half mile up to the two mile run the Maine team has not a chance to secure more than one third. In the half mile Gimson is running the distance in 2.15 in practice, while the best that the University men could do in competition was 2.15 4-5. In this distance Tech has Chapman and Blackburn who can go under this figure. Buckingham is daily tearing off miles below the five minute mark while the time of Maine's best man is 5 min. 9 4-5 sec. The two mile will be easier even than the other distance runs for both MacGregor and Udale can do the distance in close onto 10 min.

Tech will have little trouble in winning the high hurdles and the Institute team ought to secure all places in low hurdles with 27 4-5 sec. to the credit of the best man, with the Maine men running them in 30 sec.

In the pole vault Orr and Schobinger should win the first places with ease as they are doing over ten feet daily with the opponents, clearing only 9 ft. 8 in. Schobinger will have a fight in the broad jump but ought to win it barring accidents. In the high jump Allen will meet a good man in Meserve. The latter has only 5 ft. 7 in. to his credit, but Allen has been able to easily negotiate this height.

The first place in the shot put will go to Maine, but Friedman ought to be able to secure the second place. Nisbet is throwing the discus over 100 ft. while the Maine men seemed to have had a hard time getting it out over 85 ft. There was no hammer throw in the class games at Orono, so that nothing very definite can be said about the event except that Scharff is throwing the weight 115 feet while Flagg is doing well over 100.

The team leaves tonight for Orono at 10 o'clock from the North Station by way of the Maine Central. Twenty-four berths have been secured in a special Pullman car. The team will return late Sunday afternoon.

SOPHOMORES DEFEATED.

Boston College Freshmen Score Five Runs in One Inning.

In a baseball game replete with long hits and marred by weird fielding the Sophomores were defeated Wednesday afternoon by the Boston College Freshmen, by a score of 8 to 7. For six innings the Sophs shut out the Boston college team, meanwhile piling up seven runs to their credit.

In the last of the seventh inning the college boys found Applin for a series of long hits and secured five runs in quick succession. The Sophomore team went to pieces, securing no more tallies and allowing three of the opposing players to cross the home plate.

The feature of the game was Nichols' batting, securing one three base hit that brought in three runs, and a single that brought in two runs. Kelley was also strong at the bat and in the field, while Wentworth played his position well behind the bat. The opposing pitcher Moynihan, put up a good game for his team, striking out 14 men. The runs for the Sophomore team were made by Applin 2, Kelley, Nichols 2, Ware, Glancey.

The line-up of the 1909 was Applin p, Glancey 1b, Kelley 2b, Ware ss, Nichols 3b, Wentworth c, Sharp and Dawes lf, Gray rf, Heard and Lalley cf.

The score:

Innings	1	2	3	4	5	6	7	8	9
Bos'n col	10	0	0	0	0	0	0	5	12-8
Tech'gy	09	0	0	3	0	2	2	0	0-7

Batteries, Maloney and Moynihan; Applin and Wentworth.

FRESHMAN-SOPHOMORE RACE.

The Freshman-Sophomore cross country race will take place tomorrow afternoon over the Tech-Harvard course. The Sophomore team will probably consist of the following men: Ellis, Lenox, Hulsizer, Batchelder, Stephenson, Finnie, Shaw, Campbell, Frost, and possibly Smith, Spencer, and McCarthy. The following Freshmen will run: Potter, Gould, Munoz, Courtney, Brooks, Russell, Huber, Patch, Harrington, and Sneddon. The Sophomores seem to have a slight advantage in numbers, but there is still time for more men to come out for both teams as the number is not limited. The first four men finishing for each team will score, in the order they finish, the team having the lowest score winning. The first three men will be awarded numerals.

PROFESSOR TALBOT SPEAKS.

Professor Talbot spoke informally at the Y. M. C. A. meeting Thursday on what a scientific man's idea of God should be and how this idea should influence his life. He said in part, "We should not accept the old traditional idea of God without some personal thought and investigation. The perfect system of law and principle evident in all natural phenomena should inspire us men of science with a devotion for a power beyond our conception and make us conscious of the limits of our own powers and knowledge."

INTERSCHOLASTIC DRILL.

Thirteen High Schools Compete in Annual Event. Medford Wins First Place.

At the New England Interscholastic Championship Drill held in the South Amory on Wednesday, P. A. Hall of Medford High School carried off first prize, while Chelsea High School was awarded the silver cup for the most points.

The squad of competitors consisted of three men from each of the following high schools: Fall River, Medford, Chelsea, Wakefield, Brockton, Stoneham, Lowell, Methuen, Gloucester, New Bedford, Hyde Park, Dorchester and Concord. N. H. The drill consisted of the manual of arms, marchings and facings. Major James C. Smith, 6th Infantry M. V. M., Captain Frank S. Wilson, and Lieutenant Clifford L. Harris, Corps Coast Artillery, acted as judges.

From the entire squad of thirty-seven men the best eight men were picked for final competition. The first place in this final squad counted eight points, and so on down to the last, which counted one.

Chelsea High took the cup by securing second, third and fourth places, thus netting the school a total of eighteen points. The other schools to win points were, Medford 10, Fall River 4, Brockton 3, and Concord 1. P. A. Hall of Medford took the first prize, a gold medal, while R. T. Snow of Chelsea who took second place was awarded a silver medal.

Before the individual drill, the M. I. T. Battalion gave an exhibition company drill, and after the presentation of prizes by Major Wheeler, an evening parade was held. Music was furnished between the acts by the M. I. T. Cadet Band, which introduced an innovation in some of the songs from "William, Willie, and Bill."

The committee of arrangements consisted of Adjutant H. L. Lang, Serg. A. R. Nagle, Serg. C. H. Shaw, Lieut. C. N. White, Lieut. L. J. Hemmenway, Serg. M. Elliott and Serg. E. Jacobs.

NAVAL ARCHITECTURAL SOCIETY.

The Naval Architectural Society held a meeting last Tuesday at one o'clock in 30 Engineering C. The following officers were elected for the ensuing year: President, M. E. Denny, '08; Vice-President, A. C. Besselièvre, '08; Secretary, C. D. Steele, '08; Treasurer, L. H. Sutton, '08.

TITLES OF THESES — CLASS OF 1907.

COURSE II.

B. Nichols, "Test of a Power Plant at Waltham."

C. W. Nutter, "An Investigation of the Effect of Varying the Cutting Speed and the Feed on a Saw Cutting-off Machine."

A. Pope, "Boiler Tests with Peat as Fuel."

M. Rambo and R. E. Thayer, "A Comparative Road Test of a Superheating and a Non-superheating Locomotive."

J. R. Randall and E. Rich, "A Study of the Stresses and Strains in Reinforced Concrete Beams."

(Continued on Page 4.)

CALENDAR.

FRIDAY, MAY 3.

- 3.22 P. M. Freshman - Sophomore squad leaves Back Bay Station for walk over course.
- 4.00 P. M. Mandolin Club Rehearsal in 31 Rogers.
- 7.30 P. M. Civic Club Meeting in 16 Rogers.

SATURDAY, MAY 4.

- Dual Meet with University of Maine at Orono, Maine.
- 2.00 P. M. Baseball, 1908 vs. Thayer Academy at Braintree.
- 2.00 P. M. Baseball, 1909 vs. Bridgewater Normal at Bridgewater.
- 2.00 P. M. Rifle Club Shoot at Walnut Hill.
- 2.30 P. M. Tennis, Tech vs. Brown at Providence.
- 3.00 P. M. Freshman - Sophomore Cross Country Run over West Roxbury Course.
- 8.00 P. M. Dinner of "El" Circulo Mexicano del M. I. T., at Boston Yacht Club.

MONDAY, MAY 6.

- 1.00 P. M. Meeting of the Board of Editors of THE TECH in 30 Rogers.
- 4.00 P. M. Mandolin Club Rehearsal at the Y. M. C. A.

NOTICES.

Tennis Team.—The Tennis Team, composed of J. S. Nicholl, '07; J. I. B. Larned, '08, and P. R. Fanning, '08, will play a dual match with Brown Saturday afternoon at Providence.

FACULTY NOTICE.

Petitions.—On and after May 3 petitions to drop subjects will not be entertained by the Faculty unless recommended by the head of a department or by the Dean.

A. L. MERRILL,

Secretary of the Faculty.

Provisional.—Provisional list of subjects in which a clear record of second term covers failure of first term: Applied Mechanics 70, 72, 74; Assaying 432; Descriptive Geometry 100; Design I 526; Design II 527; Design III 528; Design Adv. 529; Engineering Laboratory 397; Forging 127; Freehand Drawing 110, 116, 117; French 220, 221, 222; French Colloquium 228; German 230, 231, 232; German Colloquium 238; Industrial Chemistry 584; Italian 248; Life Class 118; Life Class and Decorative Design 119; Machine Tool Work 132, 133; Marine Engineering 420; Marine Engines 913; Mineralogy 840, 841; Naval Architecture 901, 902; Pen and Pencil 516; Physical Laboratory 773, 774; R. R. Design 321; R. R. Drawing 315; Ship Design 911; Spanish Elementary 240; Spanish Intermediate 241; Steam Engineering 385, 386, 387; Structural Design 539; Water Color 520.

Surveying Summer School.—The summer course in Topographic and Geodetic Surveying, and Hydraulic Measurements, given in June in alternate years, will be held this year at Rangeley, Maine. The party will leave Boston, Monday, June 3, and return Saturday, June 29. The work will consist of a topographic survey of an extended area on the shore of Rangeley Lake using the plane table

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OFFICE HOURS:

Editor-in-Chief, 30 Rogers
Tues., Wed., Sat., 10-11. Thu., Fri., 12-1.
Business Manager, 1-2 Daily
Managing Editor, News Bureau, 8:30-9 Daily
Editor-in-Charge, News Bureau, 10-11
Tuesday and Thursday 4-5. Saturday 10-11

Contributions are requested from all undergraduates, alumni and officers of instruction. No anonymous manuscript can be accepted. All communications regarding subscriptions or advertisements should be addressed to the Business Manager.

Subscription - - - \$1.50 per year in advance.
Single Copies 3 Cents.

In charge of this issue: A. K. MITCHELL, 1909.

Friday, May 3, 1907.

In our last issue appeared a communication forecasting Technology's future and commenting upon the change of location which might take place in the next few years. It is undoubtedly true that our present quarters are cramped, one has only to visit the engineering laboratories to realize that fact. It is equally evident, that, should the Boston & Albany return to the Park Square station, the consequent demolition of Engineering C and the major portion of Lowell Building would leave the Institute in a position where only one course of action would be open to it. With the land upon which the Institute has an option taken by the railroad, two buildings subtracted, by the state decision no possibility of adding substitutes upon Boylston Street, the only course left is to move bodily. Whether the Institute could obtain state assistance and whether the railroad could be mulcted in sufficient damages to make this move completely practicable from a financial point of view is at present not generally known.

It does not appear, however, that there would be insuperable difficulty in finding a new site. From the outsider's view point it would not even seem impossible to secure land in the immediate vicinity of Boston. There are numerous sites upon the Fens; there are large open tracts within a mile of the new Harvard Medical School building. Upon such a situation as this might be reared buildings, which, while not upon the same scale of magnificence as the Medical School, might still be sufficiently imposing to represent the foremost technical college in this country.

FACULTY NOTICES.

(Continued from Page 1.)

together with the necessary baseline measurement and triangulation; a stadia survey of Rangeley Village; the use of the sextant and sounding line in contouring the bottom of a part of the lake, and the measurement of the flow of one or more of the nearby streams. Mercury and aneroid barometers will be used to determine the heights of some of the neighboring hills and mountains. Practice will be given in the use of the heliotrope in signaling between distant stations and in triangulation. Astronomical observations will be taken to determine latitude, longitude, time and azimuth.

The school is open to students who have completed the second year in the departments of Civil and Sanitary Engineering and to properly qualified students in other departments. Students intending to attend will please notify Professor Robbins not later than Saturday, May 11.

A JAPANESE OPERA FOR NEXT YEAR?

Next year's show is already under discussion in some circles, and it has been suggested that it take the form of a Japanese opera. Mr. Francis, in making this suggestion, said that it would be especially favorable for the working in of specialties and dances, and perhaps the amusement caused by the taking of dainty parts by football players would be even more amusing than the chorus girl stunt now in vogue. However there would be some disadvantage on this score as the costuming of the Japanese man and woman is very similar, and unless the parts were very well worked up in every respect, there might be a great falling off in interest and entertainment. The scheme would also be good from the financial standpoint, because the customer's bills would be greatly reduced.



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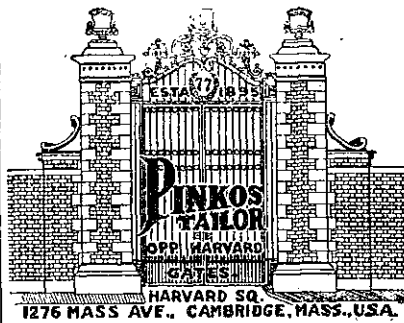
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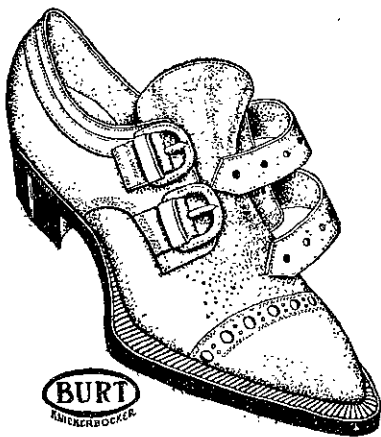


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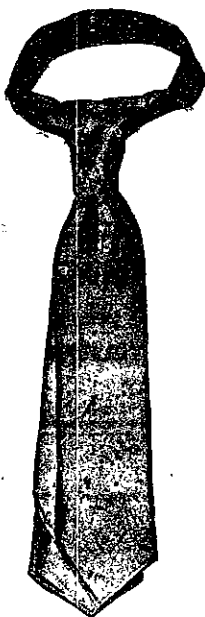
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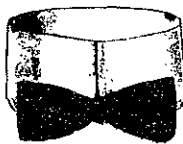
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TECH-HARVARD COURSE MEASURED.

For the first time, the course
 over which the annual Tech-Har-
 vard Cross-Country Race is held,
 has been accurately measured.
 According to measurements made
 on Wednesday by H. H. Howland
 '08, M. Ames '08, and J. N.
 Stephenson '09, the course from
 the Theodore Parker statue at
 Highland and including one lap on
 the track at the Field is $4\frac{1}{4}$ miles
 long. Stakes were driven to mark
 each mile and with a few other
 distances are located as follows:
 $\frac{1}{2}$ mile, just before crossing the
 road beyond first hill, $\frac{3}{4}$ mile, en-
 trance to "Bridle Path," 1 mile,
 200 feet beyond the brook, $1\frac{1}{2}$
 miles, 400 feet before crossing the
 next road, 2 miles, at second pig
 pen, $2\frac{1}{2}$ miles, near top of Lars
 Anderson's hill, 3 miles, at the
 entrance to the red house at the
 bend in the road where is located
 the broad walk, $3\frac{3}{4}$ miles, at the
 big house beyond Jamaica Pond,
 4 miles, the finish line. The first
 mile stake is by a big rock be-
 tween the first two trees on the
 left of the trail across the brook.
 The second stake is by a stump
 across the lane from the second pig
 pen. The third is opposite the

driveway of the red house men-
 tioned above. It is just 1000 feet
 to the big tree at the foot of the
 first hill.

Until now this course has been
 considered $4\frac{1}{2}$ miles to the field or
 $4\frac{3}{4}$ miles including the $\frac{1}{4}$ mile lap.
 The new and first exact measure-
 ment makes these figures $\frac{1}{2}$ miles
 in excess of the actual distance.
 It will be a great advantage to the
 runners to know just how far they
 have gone and where to get
 together for the finish.

It is announced that the Yale-
 Harvard football game will be
 played at Cambridge on November
 23. Yale's football schedule will
 be submitted for faculty approval
 this week.

Miss Ethel Swift, aged twenty a
 Mount Holyoke College sopho-
 more, died of cerebro meningitis,
 commonly called "spotted fever."
 The college authorities endeavored
 to suppress the news and ordered
 the girl newspaper correspondents
 to make no reference to the cause
 of the death. They obeyed and
 adjourned to the soda counter at a
 drug store where they discussed it
 before an interested audience of
 outsiders.

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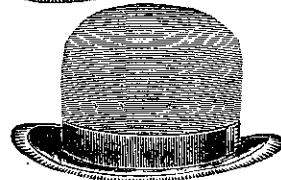
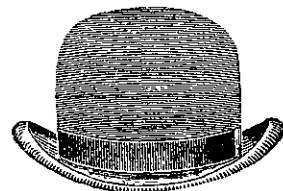
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FACULTY NOTICES.

(Continued from Page 1.)

together with the necessary baseline measurement and triangulation; a stadia survey of Rangeley Village; the use of the sextant and sounding line in contouring the bottom of a part of the lake, and the measurement of the flow of one or more of the nearby streams. Mercury and aneroid barometers will be used to determine the heights of some of the neighboring hills and mountains. Practice will be given in the use of the heliotrope in signaling between distant stations and in triangulation. Astronomical observations will be taken to determine latitude, longitude, time and azimuth.

The school is open to students who have completed the second year in the departments of Civil and Sanitary Engineering and to properly qualified students in other departments. Students intending to attend will please notify Professor Robbins not later than Saturday, May 11.

A JAPANESE OPERA FOR NEXT YEAR?

Next year's show is already under discussion in some circles, and it has been suggested that it take the form of a Japanese opera. Mr. Francis, in making this suggestion, said that it would be especially favorable for the working in of specialties and dances, and perhaps the amusement caused by the taking of dainty parts by football players would be even more amusing than the chorus girl stunt now in vogue. However there would be some disadvantage on this score as the costuming of the Japanese man and woman is very similar, and unless the parts were very well worked up in every respect, there might be a great falling off in interest and entertainment. The scheme would also be good from the financial standpoint, because the costumer's bills would be greatly reduced.



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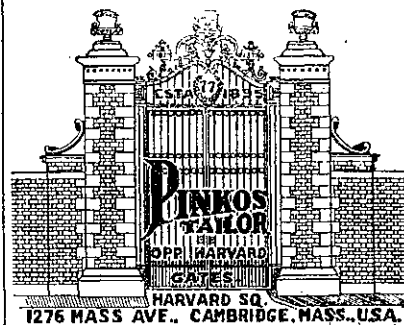
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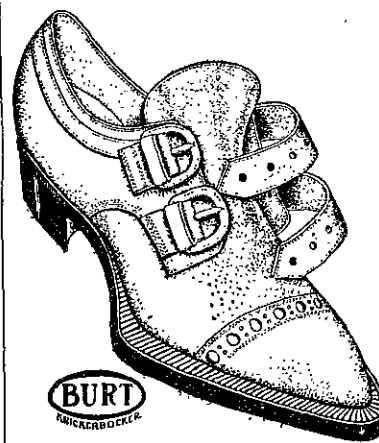


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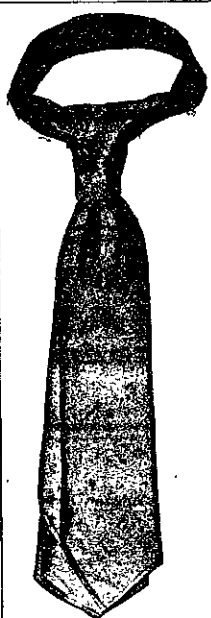


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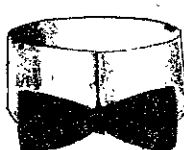
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TECH-HARVARD COURSE MEASURED.

For the first time, the course over which the annual Tech-Harvard Cross-Country Race is held, has been accurately measured. According to measurements made on Wednesday by H. H. Howland '08, M. Ames '08, and J. N. Stephenson '09, the course from the Theodore Parker statue at Highland and including one lap on the track at the Field is 4 1/4 miles long. Stakes were driven to mark each mile and with a few other distances are located as follows: 1/2 mile, just before crossing the road beyond first hill, 3/4 mile, entrance to "Bridle Path," 1 mile, 200 feet beyond the brook, 1 1/2 miles, 400 feet before crossing the next road, 2 miles, at second pig pen, 2 1/2 miles, near top of Lars Anderson's hill, 3 miles, at the entrance to the red house at the bend in the road where is located the broad walk, 3 3/4 miles, at the big house beyond Jamaica Pond, 4 miles, the finish line. The first mile stake is by a big rock between the first two trees on the left of the trail across the brook. The second stake is by a stump across the lane from the second pig pen. The third is opposite the

driveway of the red house mentioned above. It is just 1000 feet to the big tree at the foot of the first hill.

Until now this course has been considered 4 1/2 miles to the field or 4 3/4 miles including the 1/4 mile lap. The new and first exact measurement makes these figures 1/2 miles in excess of the actual distance. It will be a great advantage to the runners to know just how far they have gone and where to get together for the finish.

It is announced that the Yale-Harvard football game will be played at Cambridge on November 23. Yale's football schedule will be submitted for faculty approval this week.

Miss Ethel Swift, aged twenty a Mount Holyoke College sophomore, died of cerebro meningitis, commonly called "spotted fever." The college authorities endeavored to suppress the news and ordered the girl newspaper correspondents to make no reference to the cause of the death. They obeyed and adjourned to the soda counter at a drug store where they discussed it before an interested audience of outsiders.

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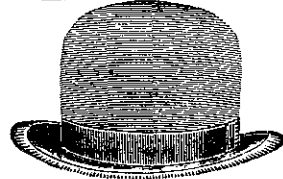
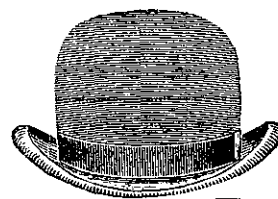
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THESES.

(Continued from Page 1.)

W. P. Rayner, "The effect of the CO₂ left in the Clearance Space of a Gas Engine, upon the Explosive Force, Time of Exploding, and the Mean Effective Pressure obtained."

F. Ripley, Jr., and E. H. Squire, "Radiation Efficiencies of Air Cooled Engine Cylinders."

S. E. Rockwell and P. B. Webber, "Design of a Testing Machine for Subjecting Riveted Joints to Repeated Stress, and an Investigation of the Effects of such Stress upon 2 Double riveted Lap joints."

G. Small and W. F. Turnbull, "Wind Pressure on Curved Surface."

H. A. Terrell, "The Effect of Superheated Steam on Cast Iron."

S. M. Udale, "Ozone Generators."

H. S. Wilkins, "Test of a Steam Power Plant."

Columbia oarsmen have been advised by their coach not to drink milk but to take a pint of ale at dinner.

Owing to the meeting on May 11th, of Columbia's and Harvard's Varsity crews, the Columbia management has found it necessary to cancel the Yale-Columbia Freshman race at New Haven the same day.

A full account of the Technology-Maine Meet will appear in Monday's issue of THE TECH.

READING NOTICES.

Tutor.—Private instruction given evenings. Prepare for the exams now. C. W. Hawkes, '06, Room 1009, 101 Milk St., City. Tel. Main 6033.

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TREMONT.—"The Walls of Jericho."

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